
Secondary Hypertension

**New Aspects in Diagnosis and Treatment of
Renal and Adrenal Hypertension**

Symposium, September 28, 1984, Münster, FRG

Dedicated to Prof. Heinz Losse
on the occasion
of his 65th birthday

Editors:
H. Vetter, Münster
W. Vetter, Zürich

Co-Editors:
M. Fischer, Münster
P. Greminger, Zürich
J. Hauss, Münster

49 figures, 36 tables, 1985



Cardiology

Vol. 72, Supplement 1, 1985

The symposium as well as the publication were sponsored by
Henning Berlin GmbH, Berlin.

S. Karger · Medical and Scientific Publishers
Basel · München · Paris · London · New York · New Delhi · Singapore · Tokyo · Sydney

Drug Dosage

The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved.

No part of this publication may be translated into other languages, reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, microcopying, or by any information storage and retrieval system, without permission in writing from the publisher or, in the case of photocopying, direct payment of a specified fee to the Copyright Clearance Center (see 'Information for Readers and Subscribers').

© Copyright 1985 by
S. Karger AG, P.O. Box, CH-4009 Basel (Switzerland)
Printed in Switzerland by Thür AG Offsetdruck, Pratteln
ISBN 3-8055-4079-5

Contents

The Spectrum of Renovascular Hypertension Stimpel, M.; Groth, H.; Greminger, P.; Lüscher, T.F.; Vetter, H.; Vetter, W.	1	Primary Aldosteronism: Diagnosis and Noninvasive Lateralization Procedures Vetter, H.; Fischer, M.; Galanski, M.; Stieber, U.; Tenschert, W.; Baumgart, P.; Winterberg, B.; Vetter, W.	57
Digital Subtraction Angiography of Renal Arteries – Pitfalls and Benefits Fiedler, V.; Peters, P.E.	10	Cushing's Syndrome: Current Status Ross, E.J.	64
Radionephrographic Follow-Up with Hypertensive Patients after Angioplasty of Renal Artery Stenosis Rösler, H.; Thöni, A.; Mahler, F.	13	Rare Causes of Adrenocortical Hypertension Biglieri, E.G.	70
Radioisotopic Renal Function Studies in Essential Hypertension Britton, K.E.	22	Adrenal Scintigraphy in the Morphological and Functional Evaluation of Cushing's Syndrome Bui, F.; Macri, C.; Varotto, L.; Boscaro, M.; Mantero, F.	76
Reconstructive Vascular Surgery for Hypertension in Renal Vascular Dysplasia Torsello, G.; Sandmann, W.; Szabó, Z.; Stolze, T.; Grabensee, B.	30	Pathogenetic Aspects of Hypertension in Cushing's Syndrome Tenschert, W.; Baumgart, P.; Greminger, P.; Vetter, W.; Vetter, H.	84
Curable Renal Parenchymatous Hypertension: Current Diagnosis and Management Lüscher, T.F.; Wanner, C.; Hauri, D.; Siegenthaler, W.; Vetter, W.	33	Results of Microsurgery in Cushing's Disease and Effect on Hypertension Lüdecke, D.K.; Niedworok, G.	91
Parameters of ^{99m}Tc-DTPA Transfer Function in Renal Artery Stenosis Szabó, Z.; Vosberg, H.; Torsello, G.; Sandmann, W.; Feinendegen, L.E.	46	Na-K Pump Activity in Erythrocytes of Patients with Endogenous and Exogenous Glucocorticoid Excess Wambach, G.; Schmülling, V.; Kaufmann, W.	95
Comparison of Nephroangiogram, Intravenous Subtraction Angiography and Digital Subtraction Angiography in the Diagnosis of Renal Hypertension Bolsinger, G.; Beil, D.; Deininger, H.K.; Ocal, E.	49	Mineralocorticoid and Glucocorticoid Receptors in Circulating Mononuclear Leukocytes of Patients with Primary Hyperaldosteronism Armanini, D.; Witzgall, H.; Strasser, T.; Weber, P.C.	99
Metabolic Consequences of Long-Term Thiazide-Based Antihypertensive Treatment of Renal Hypertension Schiffl, H.; Schollmeyer, P.	54	21-Deoxytetrahydroaldosterone Excretion in Primary Hyperaldosteronism Abdelhamid, S.; Lewicka, S.; Vecsei, P.; Winter, J.	102

Adrenalectomy in Primary Aldosteronism: A Long-Term Follow-Up Study Groth, H.; Vetter, W.; Stimpel, M.; Greminger, P.; Tenschert, W.; Klaiber, E.; Vetter, H.	107	Evaluation of Screening Tests for Pheochromocytoma Hengstmann, J.H.	153
Primary Aldosteronism: Treatment with Trilostane Winterberg, B.; Vetter, W.; Groth, H.; Greminger, P.; Vetter, H.	117	Preliminary Results with the Clonidine Suppression Test in the Diagnosis of Pheochromocytoma Brandsietter, K.; Krause, U.; Beyer, J.	157
Effects of Trilostane in Normotensive and Hypertensive Rats Friemann, J.; Müller, K.-M.	122	Plasma 3-Methoxy-4-Hydroxyphenethyleneglycol in Pheochromocytoma Lehner, H.; Walger, P.	160
Diagnosis and Management of Pheochromocytoma Gifford, R.W., Jr.; Bravo, E.L.; Manger, W.M.	126	Long-Term ECG in Pheochromocytoma Bramann, H.U.; Zidek, W.; Vetter, H.	163
Clinical and Biochemical Aspects of Pheochromocytoma. Report of 110 Cases Januszewicz, W.; Wocial, B.	131	Adrenalectomy in Adrenal Hypertension Hauss, J.; Moeller, A.; Bünte, H.	167
¹³¹ I-MIBG – A New Agent in Diagnosis and Treatment of Pheochromocytoma Shapiro, B.; Sisson, J.C.; Eyre, P.; Copp, J.E.; Dmuchowski, C.; Beierwaltes, W.H.	137	Anesthetic Management in Patients with Pheochromocytoma Hauss, G.-M.; Van Aken, H.; Lawin, P.	174
Localization Procedures in Pheochromocytoma and Neuroblastoma Fischer, M.; Galanski, M.; Winterberg, B.; Vetter, H.	143	Selective Blood Sampling in Adrenal Hypertension Kahaly, G.; Krause, U.; Ritthaler, H.; Cordes, U.; Günther, R.; Schrezenmeir, J.; Beyer, J.	179
Pheochromocytoma in Multiple Endocrine Neoplasia Rauc, F.; Frank, K.; Meybier, H.; Ziegler, R.	147	Prevention of Fatal and Nonfatal Ischemic Heart Disease by Early Treatment of Hypertension Heyden, S.; Fodor, G.	182
Thallium-201 Scintigraphy in the Diagnosis of Pheochromocytoma Wenisch, H.J.C.; Maul, F.D.; Happ, J.; Schumm, P.-M.; Bittner, G.; Wanner, U.; Hör, G.; Encke, A.	150	Pantothenic Acid Deficiency as a Factor Contributing to the Development of Hypertension Schwabedal, P.E.; Pietrzik, K.; Wittkowski, W.	187
		Direct Hypotensive Action of Intravascular Bradykinin in Man Bönnert, G.; Schunk, U.; Kaufmann, W.	190
		Author Index	194
		Subject Index	195